

As a below named inventor, I declare that:

| My residence, post office address and citizenship are as stated below     | w next to my name; I believe I am the original, first and sole   |
|---|--|
| inventor (if only one name is listed below) or an original, first and joi | nt inventor (if plural inventors are named below) of the subject |
| matter which is claimed and for which a patent is sought on the           |  |
| GTPases FOR TARGET VALIDATION the specification of which                  | is attached hereto or _x was filed on September 10, 2003         |
| as Application No. 10/660,113, and was amended on                         | _ (if applicable).   |

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

| Country | Application No. | Date of Filing | Priority Claimed Under<br>35 USC 119 |
|---------|-----------------|----------------|--------------------------------------|
|         |                 |                |                                      |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

| Application No. | Filing Date        |
|-----------------|--------------------|
| 60/410,536      | September 13, 2002 |
| 60/461,755      | April 9, 2003      |

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application No. | Date of Filing | Status |
|-----------------|----------------|--------|
|                 |                |        |

| Full Name of | Full Name:                                      |  |                         |  |  |
|--------------|---|--|-------------------------|--|--|
| Inventor 1:  | Kavita Shah                                     |  |                         |  |  |
| Residence &  | City:   | State/Foreign Country:                               | Country of Citizenship: |  |  |
| Citizenship: | San Diego                                       | California   | India                   |  |  |
| Post Office  | Post Office Address:                            |  |                         |  |  |
| Address:     | 11673 Compass Point D                           | rive #7, San Diego, California 92126                 |                         |  |  |
| Full Name of | Full Name:                                      |  |                         |  |  |
| Inventor 2:  | Fabien Vincent                                  |  |                         |  |  |
| Residence &  | City:   | City: State/Foreign Country: Country of Citizenship: |                         |  |  |
| Citizenship: | San Diego                                       | California   | France                  |  |  |
| Post Office  | Post Office Address:                            |  |                         |  |  |
| Address:     | 7045 Charmant Drive #                           | 124, San Diego, California 92122                     |                         |  |  |
| Full Name of | Full Name:                                      |  |                         |  |  |
| Inventor 3:  | Maria A. Cueto                                  |  |                         |  |  |
| Residence &  | City:   | State/Foreign Country:                               | Country of Citizenship: |  |  |
| Citizenship: | Weehawken                                       | New Jersey   | United States           |  |  |
| Post Office  | Post Office Address:                            |  |                         |  |  |
| Address:     | 99 Clifton Terrace, Weehawken, New Jersey 07086 |  |                         |  |  |

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| Signature of Inventor 1 | Signature of Inventor 2 | Signature of Inventor 3 |
|-------------------------|-------------------------|-------------------------|
| Kanta Shran             | Fabien Vincent          | Maria A. Cueto          |
| 1xavita Silaii          | Paulen vincent          | Maria A. Cueto          |
| Date 3/9/04             | Date                    | Date                    |



#### **DECLARATION**

As a below named inventor, I declare that:

| inventor (if or<br>matter which                                  | nly one name is listed be<br>is claimed and for wh                       | d citizenship are as stated below) or an original, first and lich a patent is sought on the specification of wh  | l joint inventor (if plural i<br>the invention entitled: <b>H</b>                        | nventors are named IGHLY SPECIFIC   | below) of the subj  |
|--|--|--|--|---|---|
| as Application   | No. 10/660,113, and w  | as amended on  | (if applicable).   | or <u>A</u> was mod of  | in deptember 10, 20   |
| amendment re<br>in accordance<br>Code, Section<br>foreign applic | ferred to above. I acknowith Title 37, Code of It 119 of any foreign app | e contents of the above-ide<br>owledge the duty to disclose<br>Federal Regulations, Section<br>olication(s) for patent or inve<br>tor's certificate having a filin | information which is mate<br>1.56. I claim foreign price<br>entor's certificate listed b | erial to the examinat<br>ority benefits under T<br>below and have also<br>pplication on which | tion of this applicate Title 35, United Sta identified below a priority is claimed. |
|  | Country  | Application No.  | Date of Filing   | Priority Claimed<br>35 USC 11   |   |
| I hereby claim   | the benefit under Title  | 35, United States Code § 119   | (e) of any United States p   | rovisional applicatio   | on(s) listed below:   |
|  | Application No.  |  | Filing Date  |   |   |
|  | 60/410,536   |  | September 13, 2002   |   |   |
|  |  | 60/461,755   | April 9, 2003  |   |   |

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| Application No. | Date of Filing | Status |
|-----------------|----------------|--------|
| 4               |                |        |

| Full Name of | Full Name:   |                                   |                         |  |
|--------------|--|-----------------------------------|-------------------------|--|
| Inventor 1:  | Kavita Shah  |                                   |                         |  |
| Residence &  | City:  | State/Foreign Country:            | Country of Citizenship: |  |
| Citizenship: | San Diego  | California                        | India                   |  |
| Post Office  | Post Office Address:                                 |                                   | -                       |  |
| Address:     | 11673 Compass Point Driv                             | e #7, San Diego, California 92126 |                         |  |
| Full Name of | Full Name:   |                                   |                         |  |
| Inventor 2:  | Fabien Vincent                                       |                                   |                         |  |
| Residence &  | City: State/Foreign Country: Country of Citizenship: |                                   |                         |  |
| Citizenship: | San Diego  | California                        | France                  |  |
| Post Office  | Post Office Address:                                 |                                   |                         |  |
| Address:     | 7045 Charmant Drive #12                              | 4, San Diego, California 92122    |                         |  |
| Full Name of | Full Name:   |                                   |                         |  |
| Inventor 3:  | Maria A. Cueto                                       |                                   |                         |  |
| Residence &  | City: State/Foreign Country: Country of Citizenship: |                                   |                         |  |
| Citizenship: | Weehawken  | New Jersey                        | United States           |  |
| Post Office  | Post Office Address:                                 |                                   |                         |  |
| Address:     | 99 Clifton Terrace, Weeha                            | wken, New Jersey 07086            |                         |  |

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| Signature of Inventor 1 | Signature of Inventor 2 | Signature of Inventor 3 |
|-------------------------|-------------------------|-------------------------|
| Kavita Shah             | Jabien Vincent          | Maria A. Cueto          |
| Date                    | Date 03/14/04           | Date                    |



#### **DECLARATION**

As a below named inventor, I declare that:

| As a delow har   | ned inventor, i declare   | mat:  |  |   |   |
|--|---|---|--|---|---|
| inventor (if on matter which GTPases FOR                             | ly one name is listed be<br>is claimed and for what TARGET VALIDAT  | d citizenship are as stated be<br>elow) or an original, first and<br>nich a patent is sought on t<br>FION the specification of wh<br>as amended on                      | joint inventor (if plural he invention entitled: Hich is attached hereto           | inventors are named IGHLY SPECIFIC                                  | below) of the subject INHIBITORS OF                                 |
| amendment ref<br>in accordance v<br>Code, Section<br>foreign applica | Terred to above. I acknowith Title 37, Code of 1 119 of any foreign apprised for patent or invention for patent or invention for patent or invention for patent or inventical part of the section of the | e contents of the above-ide<br>owledge the duty to disclose in<br>Federal Regulations, Section<br>plication(s) for patent or inve-<br>tor's certificate having a filing | information which is mated 1.56. I claim foreign pricentor's certificate listed by | erial to the examinati<br>prity benefits under Toelow and have also | ion of this application itle 35, United States identified below any |
| Prior Foreign  | Application(s)  Country   | Application No.   | No. Date of Filing   | Priority Claimed Under<br>35 USC 119                                |   |
| I hereby claim   | the benefit under Title   | 35, United States Code § 119  | (e) of any United States p   | rovisional applicatio   | n(s) listed below:  |
|  | Application No.   |   | Filing Date  |   |   |
|  |   | 60/410,536  | September 13, 2002   |   |   |
|  |   | 60/461,755  | April 9, 2   | 003   |   |

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|-----------------|----------------|--------|
|                 |                |        |

| Full Name of | Full Name:  |                        |                         |  |  |
|--------------|---|------------------------|-------------------------|--|--|
| Inventor 1:  | Kavita Shah   |                        |                         |  |  |
| Residence &  | City:   | State/Foreign Country: | Country of Citizenship: |  |  |
| Citizenship: | San Diego   | California             | India                   |  |  |
| Post Office  | Post Office Address:                                      |                        |                         |  |  |
| Address:     | 11673 Compass Point Drive #7, San Diego, California 92126 |                        |                         |  |  |
| Full Name of | Full Name:  |                        |                         |  |  |
| Inventor 2:  | Fabien Vincent  |                        |                         |  |  |
| Residence &  | City:   | State/Foreign Country: | Country of Citizenship: |  |  |
| Citizenship: | San Diego   | California             | France                  |  |  |
| Post Office  | Post Office Address:                                      |                        |                         |  |  |
| Address:     | 7045 Charmant Drive #124, San Diego, California 92122     |                        |                         |  |  |
| Full Name of | Full Name:  |                        |                         |  |  |
| Inventor 3:  | Maria A. Cueto  |                        |                         |  |  |
| Residence &  | City:   | State/Foreign Country: | Country of Citizenship: |  |  |
| Citizenship: | Weehawken   | New Jersey             | United States           |  |  |
| Post Office  | Post Office Address:                                      |                        |                         |  |  |
| Address:     | 99 Clifton Terrace, Weehawken, New Jersey 07086           |                        |                         |  |  |

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| Signature of Inventor 1 | Signature of Inventor 2 | Signature of Inventor 3 |
|-------------------------|-------------------------|-------------------------|
| Kavita Shah             | Fabien Vincent          | Maria A. Cueto          |
| Date .                  | Date                    | Date 03-22-04           |



Attorney Docket No.: 36-001720US Client Reference No.: P0046US20

#### ASSIGNMENT OF PATENT APPLICATION

**JOINT** 

WHEREAS, Kavita Shah, of 11673 Compass Point Drive #7, San Diego, CA 92126, Fabien Vincent of 161 Laurie Meadows Drive #567, San Mateo, CA 94403 and Maria A. Cueto of 99 Clifton Terrace, Weehawken, NJ 07086, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: HIGHLY SPECIFIC MODULATORS OF GTPASES FOR TARGET VALIDATION

 Filing Date:
 September 10, 2003

 Application No.:
 10/660,113
 ; an

WHEREAS, IRM, LLC located at c/o Sophia House, 48 Church Street, Hamilton HM LX Bermuda and Novartis AG, Lichtstrasse 35, 4056 Basel, Switzerland, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and which claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignment

Page 2

Application No.: 10/660,113

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated. Dated: 39/04 SIGNATURE WITNESSED BY: (1) Date: 3 9 04 Dated: \_ Fabien Vincent SIGNATURE WITNESSED BY: Signature of Witness Dated: Maria A. Cueto SIGNATURE WITNESSED BY: (1) Date:\_\_\_ Signature of Witness

Title of Invention:

Attorney Docket No.: 36-001720US Client Reference No.: P0046US20

#### **ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Kavita Shah, of 11673 Compass Point Drive #7, San Diego, CA 92126, Fabien Vincent of 161 Laurie Meadows Drive #567, San Mateo, CA 94403 and Maria A. Cueto of 99 Clifton Terrace, Weehawken, NJ 07086, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

| GI               | GIPASES FOR TARGET VALIDATION |      |  |
|------------------|-------------------------------|------|--|
| Filing Date:     | September 10, 2003            |      |  |
| Application No.: | 10/660.113                    | : an |  |

HIGHLY SPECIFIC MODULATORS OF

WHEREAS, IRM, LLC located at c/o Sophia House, 48 Church Street, Hamilton HM LX Bermuda and Novartis AG, Lichtstrasse 35, 4056 Basel, Switzerland, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and which claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignment

Application No.: 10/660,113

SIGNATURE WITNESSED BY:

(1) Date:\_\_\_\_\_

Page 2 IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated. Dated: Kavita Shah SIGNATURE WITNESSED BY: (1) Date:\_\_\_\_ Signature of Witness Dated: 03/14/04 SIGNATURE WITNESSED BY: Dated: Maria A. Cueto

Signature of Witness

Attorney Docket No.: 36-001720US Client Reference No.: P0046US20

#### ASSIGNMENT OF PATENT APPLICATION

**JOINT** 

WHEREAS, Kavita Shah, of 11673 Compass Point Drive #7, San Diego, CA 92126, Fabien Vincent of 161 Laurie Meadows Drive #567, San Mateo, CA 94403 and Maria A. Cueto of 99 Clifton Terrace, Weehawken, NJ 07086, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

HIGHLY SPECIFIC MODULATORS OF

GTPASES FOR TARGET VALIDATION

Filing Date:

September 10, 2003

Application No.:

10/660,113

; and

WHEREAS, IRM, LLC located at c/o Sophia House, 48 Church Street, Hamilton HM LX Bermuda and Novartis AG, Lichtstrasse 35, 4056 Basel, Switzerland, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and which claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignment

Application No.: 10/660,113 Page 2

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

| Dated:                             |                      |
|------------------------------------|----------------------|
|                                    | Kavita Shah          |
| SIGNATURE WITNESSED BY:  (1) Date: |                      |
| (1) Date                           | Signature of Witness |
|                                    |                      |
|                                    |                      |
| Dated:                             | Fabien Vincent       |
|                                    | Fabien Vincent       |
| SIGNATURE WITNESSED BY:            |                      |
| (1) Date:                          | C' CW'               |
|                                    | Signature of Witness |
| Dated: _ <u> </u>                  | (Wal)                |
|                                    | Maria A. Cueto       |
| SIGNATURE WITNESSED BY:            | O(h)                 |
| (1) Date: 63-24-04                 | Signature of Witness |